



AMPEX

Video Production Recording System

VR-7950A

VPR-7950A



for the ultimate in 1" videotape teleproduction capability

VIDEO RECORDER, DIGITAL TBC SYSTEM,
AND MONITORING DISPLAYS IN A SINGLE
CONSOLE

- Sets the industry's highest standards for 1" videotape teleproduction performance
- Incorporates the finest 1" videotape recorder and TBC system by Ampex
- Available with or without overhead monitoring
- Full professional editing capability
- Utmost reliability
- Engineered for easy control and maintenance

The world's finest 1" videotape teleproduction recorder and TBC system in a free-standing, fully equipped console. This is the system that sets the highest standards of the industry for 1" videotape recording—the VPR-7950A, by Ampex.

Here is a combination which affords the utmost in operating convenience, ease of maintenance, and reliability.

The system is available in two versions, each of which includes the Ampex VPR-7900 video recorder, and the TBC-800 Time Base Correction system as standard, integral equipment, with a single control panel. A lowboy version includes the recorder and TBC system only. A more versatile version adds an overhead monitoring bridge with a video waveform monitor, an optional color

or monochrome picture monitor, and an optional vector display scope.

PROFESSIONAL EDITING CAPABILITY

The VPR-7950A permits full insert and assemble editing capability—an advantage made possible by the exclusive Ampex format. This format provides three independent recording tracks—one for video and two for audio—which may be recorded or rerecorded separately, or in any combination. Vertical interval switching produces a clean, professional splice with every edit. The three independent tracks afford an open-end versatility for special creative effects, as well as such practical advantages as the ability to record location sound, or cueing instructions, on the second audio track.

THE VIDEOTAPE RECORDER

The recording unit is identical to the Ampex VPR-7900, the most advanced 1" video recorder in the industry. Its exclusive features include the same VHC (Very High Carrier) Mode as that of high-performance quadruplex recorders, the Ampex recording format, a 12.5 Hz control track, a digital servo system, and a split capstan. Other important features include



SPECIFICATIONS

VPR-7950A NTSC-525/60

GENERAL

Tape Speed:	9.6 ips
Video Writing Speed:	1000 ips
Carrier Mode:	Very High — 7.06-10.0 MHz
Input Power:	117 V or 234 V, 50/60 Hz, 15 amps @ 117 V
Size:	
Lowboy	48" high x 42" wide x 26" deep
With overhead monitoring	68" high x 42" wide x 26" deep
Weight:	
Lowboy	490 lb.
With overhead monitoring	600 lb.

VIDEO

Bandwidth:	±1 dB, 30 Hz to 4.2 MHz < -3 dB @ 5.0 MHz
Signal-to-Noise Ratio:	-45 dB p-p video to rms noise
Differential Gain:	<6%
Differential Phase:	<6°
Horizontal and Vertical Tilt:	5% Max.
Transient Response:	2%, 2T pulse
Moire: (75% amplitude) (color bars)	-35 dB or greater
Lock-up Time:	4 sec max. (V-lock) 8 sec max. (H-lock)
Time Base Stability:	±2.5 nsec color

AUDIO

Frequency Response:	
Audio 1:	+2, -3 dB, 50 Hz to 15 kHz
Audio 2:	±3 dB, 50 Hz to 12 kHz
Signal-to-Noise Ratio:	
Audio 1:	-50 dB @ 3%, 3rd Harmonic Distortion
Audio 2:	-40 dB @ 3%, 3rd Harmonic Distortion
Wow & Flutter:	.15%

Ampex Corporation reserves the right to change specifications without notice and without obligation.
These specifications supersede all previous specifications, stated or implied.

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Ampex Corporation, Audio-Video Systems Division
401 Broadway
Redwood City, California 94063

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